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(54) METHOD AND DEVICE FOR MOLDING HYDRAULIC INORGANIC MOLDING

(57)Abstract:

PURPOSE: To obtain a dense molding, the void content of which is small and which has excellent strength, by a method wherein pressure is uniformly applied over the whole surface of a shaped matter under the condition that the temperature of the hydraulic inorganic molding material in a cavity is controlled to have the specified value.

CONSTITUTION: A first split mold (or a bottom mold) and a second split mold (or a top mold) are closed together. Then, molding material is poured in a cavity, which is formed by the closure. By the material pouring, an elastic sheet 3, which is provided along the inner wall of the second split mold 2, is extended so as to come into close contact with the inner wall surface of the mold. The poured molding material is controlled to be kept within the temperature range of 20-50° C. Next, by sucking through the drainage holes 11 of the first split mold, the water content in the hydraulic inorganic molding material is extracted. In addition, by forcing pressurizing medium 4 through a pouring pipe 22 between the second split mold 2 and the elastic sheet 3, a dense shaped matter is obtained.

